SEQUENCE LISTING

<110> Brett P. Monia
      Jacqueline Wyatt

<120> ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3
EXPRESSION

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Cys Ala Leu Ala Leu Cys Val Ala Val Ala Ile Val Ala Gly Ala Ser
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tcg gag tcc ttg ggg acg gag cag cgc gtc gtg ggg cga gcg gca gaa     150
Ser Glu Ser Leu Gly Thr Glu Gln Arg Val Val Gly Arg Ala Ala Glu
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gtc ccg ggc cca gag ccc ggc cag cag gag cag ttg gtc ttc ggc agc     198
Val Pro Gly Pro Glu Pro Gly Gln Gln Glu Gln Leu Val Phe Gly Ser
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ggg gat gct gtg gag ctg agc tgt ccc ccg ccc ggg ggt ggt ccc atg     246
Gly Asp Ala Val Glu Leu Ser Cys Pro Pro Pro Gly Gly Gly Pro Met
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ggg ccc act gtc tgg gtc aag gat ggc aca ggg ctg gtg ccc tcg gag     294
Gly Pro Thr Val Trp Val Lys Asp Gly Thr Gly Leu Val Pro Ser Glu
 70              75              80              85


cgt gtc ctg gtg ggg ccc cag cgg ctg cag gtg ctg aat gcc tcc cac     342
Arg Val Leu Val Gly Pro Gln Arg Leu Gln Val Leu Asn Ala Ser His
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gag gac tcc ggg gcc tac agc tgc cgg cag cgg ctc acg cag cgc gta     390
Glu Asp Ser Gly Ala Tyr Ser Cys Arg Gln Arg Leu Thr Gln Arg Val
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      Leu Cys His Phe Ser Val Arg Val Thr Asp Ala Pro Ser Ser Gly Asp
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      Asp Glu Asp Gly Glu Asp Glu Ala Glu Asp Thr Gly Val Asp Thr Gly
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      gcc cct tac tgg aca cgg ccc gag cgg atg gac aag aag ctg ctg gcc      534
      Ala Pro Tyr Trp Thr Arg Pro Glu Arg Met Asp Lys Lys Leu Leu Ala
      150                 155                 160                 165

      gtg ccg gcc gcc aac acc gtc cgc ttc cgc tgc cca gcc gct ggc aac      582
      Val Pro Ala Ala Asn Thr Val Arg Phe Arg Cys Pro Ala Ala Gly Asn
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      ccc act ccc tcc atc tcc tgg ctg aag aac ggc agg gag ttc cgc ggc      630
      Pro Thr Pro Ser Ile Ser Trp Leu Lys Asn Gly Arg Glu Phe Arg Gly
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      gag cac cgc att gga ggc atc aag ctg cgg cat cag cag tgg agc ctg      678
      Glu His Arg Ile Gly Gly Ile Lys Leu Arg His Gln Gln Trp Ser Leu
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      Val Met Glu Ser Val Val Pro Ser Asp Arg Gly Asn Tyr Thr Cys Val
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      gtg gag aac aag ttt ggc agc atc cgg cag acg tac acg ctg gac gtg      774
      Val Glu Asn Lys Phe Gly Ser Ile Arg Gln Thr Tyr Thr Leu Asp Val
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      ctg gag cgc tcc ccg cac cgg ccc atc ctg cag gcg ggg ctg ccg gcc      822
      Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln Ala Gly Leu Pro Ala
                          250                 255                 260

      aac cag acg gcg gtg ctg ggc agc gac gtg gag ttc cac tgc aag gtg      870
      Asn Gln Thr Ala Val Leu Gly Ser Asp Val Glu Phe His Cys Lys Val
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      tac agt gac gca cag ccc cac atc cag tgg ctc aag cac gtg gag gtg      918
      Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu Lys His Val Glu Val
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      aac ggc agc aag gtg ggc ccg gac ggc aca ccc tac gtt acc gtg ctc      966
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Asn Gly Ser Lys Val Gly Pro Asp Gly Thr Pro Tyr Val Thr Val Leu
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Lys Thr Ala Gly Ala Asn Thr Thr Asp Lys Glu Leu Glu Val Leu Ser
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ttg cac aac gtc acc ttt gag gac gcc ggg gag tac acc tgc ctg gcg    1062
Leu His Asn Val Thr Phe Glu Asp Ala Gly Glu Tyr Thr Cys Leu Ala
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ggc aat tct att ggg ttt tct cat cac tct gcg tgg ctg gtg gtg ctg    1110
Gly Asn Ser Ile Gly Phe Ser His His Ser Ala Trp Leu Val Val Leu
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Pro Ala Glu Glu Glu Leu Val Glu Ala Asp Glu Ala Gly Ser Val Tyr
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gca ggc atc ctc agc tac ggg gtg ggc ttc ttc ctg ttc atc ctg gtg    1206
Ala Gly Ile Leu Ser Tyr Gly Val Gly Phe Phe Leu Phe Ile Leu Val
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gtg gcg gct gtg acg ctc tgc cgc ctg cgc agc ccc ccc aag aaa ggc    1254
Val Ala Ala Val Thr Leu Cys Arg Leu Arg Ser Pro Pro Lys Lys Gly
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ctg ggc tcc ccc acc gtg cac aag atc tcc cgc ttc ccg ctc aag cga    1302
Leu Gly Ser Pro Thr Val His Lys Ile Ser Arg Phe Pro Leu Lys Arg
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cag gtg tcc ctg gag tcc aac gcg tcc atg agc tcc aac aca cca ctg    1350
Gln Val Ser Leu Glu Ser Asn Ala Ser Met Ser Ser Asn Thr Pro Leu
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Val Arg Ile Ala Arg Leu Ser Ser Gly Glu Gly Pro Thr Leu Ala Asn
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Val Val Met Ala Glu Ala Ile Gly Ile Asp Lys Asp Arg Ala Ala Lys
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cct gtc acc gta gcc gtg aag atg ctg aaa gac gat gcc act gac aag        1590
Pro Val Thr Val Ala Val Lys Met Leu Lys Asp Asp Ala Thr Asp Lys
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gac ctg tcg gac ctg gtg tct gag atg gag atg atg aag atg atc ggg        1638
Asp Leu Ser Asp Leu Val Ser Glu Met Glu Met Met Lys Met Ile Gly
                    520                 525                 530

aaa cac aaa aac atc atc aac ctg ctg ggc gcc tgc acg cag ggc ggg        1686
Lys His Lys Asn Ile Ile Asn Leu Leu Gly Ala Cys Thr Gln Gly Gly
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ccc ctg tac gtg ctg gtg gag tac gcg gcc aag ggt aac ctg cgg gag        1734
Pro Leu Tyr Val Leu Val Glu Tyr Ala Ala Lys Gly Asn Leu Arg Glu
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ttt ctg cgg gcg cgg cgg ccc ccg ggc ctg gac tac tcc ttc gac acc        1782
Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu Asp Tyr Ser Phe Asp Thr
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tgc aag ccg ccc gag gag cag ctc acc ttc aag gac ctg gtg tcc tgt        1830
Cys Lys Pro Pro Glu Glu Gln Leu Thr Phe Lys Asp Leu Val Ser Cys
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gcc tac cag gtg gcc cgg ggc atg gag tac ttg gcc tcc cag aag tgc        1878
Ala Tyr Gln Val Ala Arg Gly Met Glu Tyr Leu Ala Ser Gln Lys Cys
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atc cac agg gac ctg gct gcc cgc aat gtg ctg gtg acc gag gac aac        1926
Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu Val Thr Glu Asp Asn
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gtg atg aag atc gca gac ttc ggg ctg gcc cgg gac gtg cac aac ctc        1974
Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg Asp Val His Asn Leu
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gac tac tac aag aag aca acc aac ggc cgg ctg ccc gtg aag tgg atg        2022
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Asp Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu Pro Val Lys Trp Met
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Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr His Gln Ser Asp Val
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```
ccg tac ccc ggc atc cct gtg gag gag ctc ttc aag ctg ctg aag gag     2166
Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe Lys Leu Leu Lys Glu
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```

```
ggc cac cgc atg gac aag ccc gcc aac tgc aca cac gac ctg tac atg     2214
Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr His Asp Leu Tyr Met
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```

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atc atg cgg gag tgc tgg cat gcc gcg ccc tcc cag agg ccc acc ttc     2262
Ile Met Arg Glu Cys Trp His Ala Ala Pro Ser Gln Arg Pro Thr Phe
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```

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aag cag ctg gtg gag gac ctg gac cgt gtc ctt acc gtg acg tcc acc     2310
Lys Gln Leu Val Glu Asp Leu Asp Arg Val Leu Thr Val Thr Ser Thr
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```

```
gac gag tac ctg gac ctg tcg gcg cct ttc gag cag tac tcc ccg ggt     2358
Asp Glu Tyr Leu Asp Leu Ser Ala Pro Phe Glu Gln Tyr Ser Pro Gly
            760             765             770
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```
ggc cag gac acc ccc agc tcc agc tcc tca ggg gac gac tcc gtg ttt     2406
Gly Gln Asp Thr Pro Ser Ser Ser Ser Ser Gly Asp Asp Ser Val Phe
            775             780             785
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gcc cac gac ctg ctg ccc ccg gcc cca ccc agc agt ggg ggc tcg cgg     2454
Ala His Asp Leu Leu Pro Pro Ala Pro Pro Ser Ser Gly Gly Ser Arg
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Thr
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gacggggagg  acgaggctga  ggacacaggt  gtggacacag  gggcccctta  ctggacacgg     240

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aacctccctg gggtcacccc gaaggtctgg tccctcagg atacaggagg ggctgggtca      180

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cagcagggca gggcactcag gtggctgccg tggggtggat ggacccgggg tgannnnnnn     420

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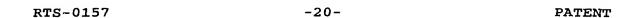<221> unsure
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gctgggttgt tggggtggag gcagagacgt tcatcctgtg aaaccacagc caccgtgaag   780

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<210> 16
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<210> 17
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<212> DNA
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ccccgtagct gaggatgcct   20

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<210> 32
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<210> 33
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<210> 34
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<210> 61
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<400> 70
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<400> 71
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<400> 72
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<400> 73
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<400> 74
ccaggctcca ctgctgatgc   20

<210> 75
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<400> 75
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<210> 76
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<400> 76
gccggatgct gccaaacttg   20

<210> 77
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<400> 77
ggtgtgccgt ccgggcccac   20

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<400> 78
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<400> 79
gaacctctag ctccttgtcg   20

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<400> 80
accagccacg cagagtgatg   20

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<400> 81
gcaccaccag ccacgcagag   20

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<400> 82
cgccaccacc aggatgaaca   20

<210> 83
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<400> 83
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<223> Antisense Oligonucleotide

<400> 85
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<400> 86
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<400> 87
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<223> Antisense Oligonucleotide

<400> 88
gtcccgtggt gcaaaggcag   20

<210> 89
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<223> Antisense Oligonucleotide

<400> 89
aggctcagct ttgggtgtgg   20

<210> 90
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<223> Antisense Oligonucleotide

<400> 90

tcccatcttc aggtacccgt   20

<210> 91
<211> 20
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<223> Antisense Oligonucleotide

<400> 91
atatatatgt atatatacca   20

<210> 92
<211> 20
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<223> Antisense Oligonucleotide

<400> 92
tctccctgcc tgggacacac   20

<210> 93
<211> 20
<212> DNA
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<223> Antisense Oligonucleotide

<400> 93
tgttaagtct acaacaaata   20

<210> 94
<211> 20

<212> DNA
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<223> Antisense Oligonucleotide

<400> 94
gctgcccaga ctcagggccc   20

<210> 95
<211> 20
<212> DNA
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<223> Antisense Oligonucleotide

<400> 95
acaaaatcgc acctgccggt   20